



## Advanced Optoelectronic Polymers & Devices Lab

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### Education:

PhD. of Materials Sci. and Eng.,  
National Chiao Tung University

### Lectures:

- Calculus (I)(II)
- Characterization and Analysis of Polymer
- Advanced Polymer Physics

### • Nanomaterials & Characterization and Analysis

Polymers; inorganic nano-materials; nano-carbon materials; nano-composites.

### • Nano/micro Fabrication Technologies & Interfacial Science and Engineering

Semiconductor manufacturing process; nano-transferring, electrospinning; laser processing; freeze drying; electrochemical/oxidative polymerization technologies; thin-film growth and nano-device fabrication.

### • Organic Electronics

Photovoltaics; transistors; sensors, electrochromic devices, super capacitors; plasmonic devices, flexible electronics, stretchable electronics.

### • Organic Bioelectronic Medicine

Neural science & engineering; stem cell science & engineering; myocardial cell therapy & detection; rare cell isolation and detection; kidney treatment/detection technologies.

